

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: NEO-RAY

Report Number: P331395-940

Luminaire Tested: **SA2XXDIP-C865D725U940-4F0-1E-UDD-A4**

Issue Date: 10/7/2019

Test Information

Test Method: LM-79-08
Report Number: P331395-940
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-16,
Test Lab: INNOVATION CENTER
Issue Date: 10/7/2019
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: SA2XXDIP-C865D725U940-4F0-1E-UDD-A4
Description: DEFINE 2 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 865 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 725 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

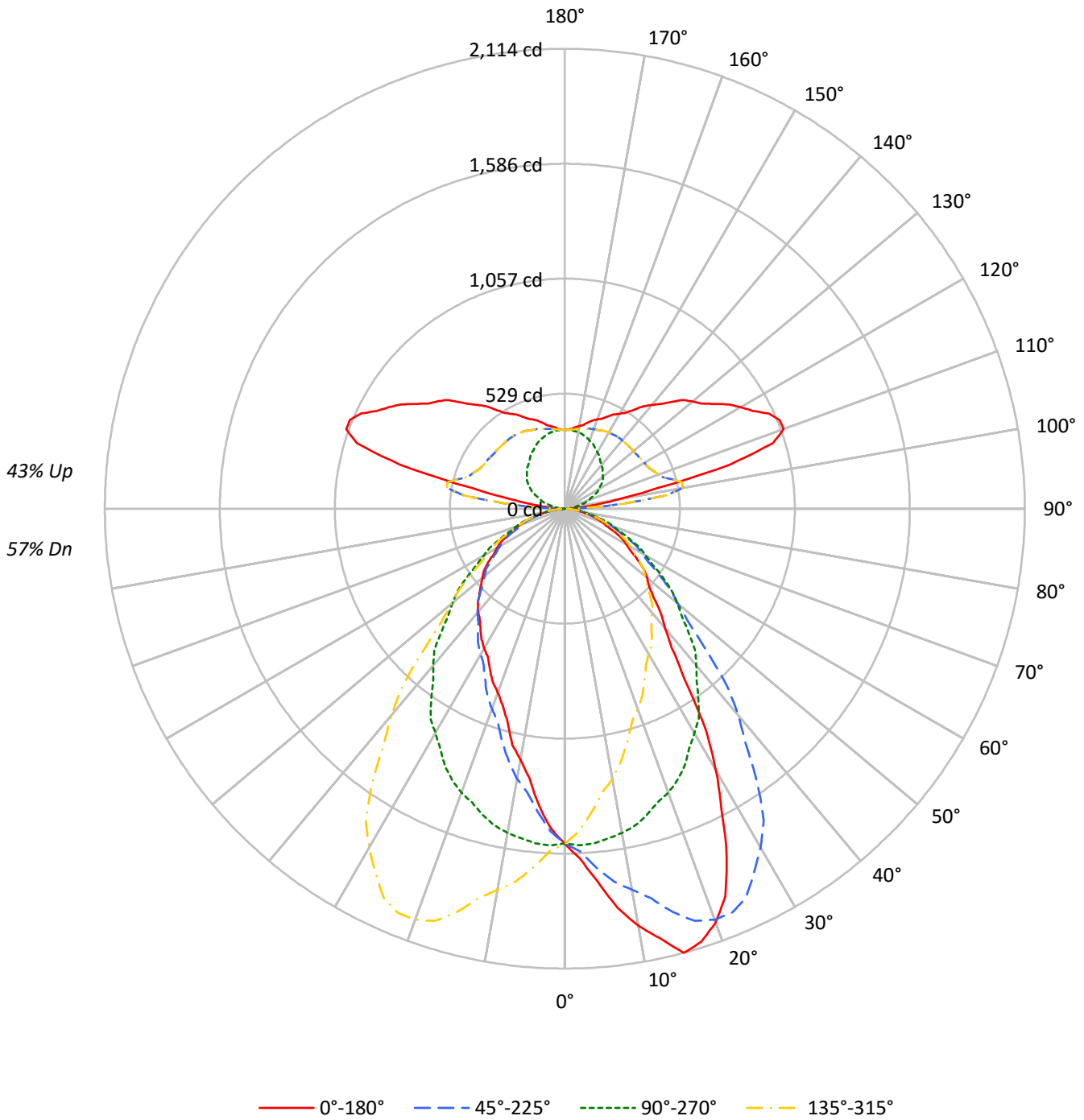
Lumens per Lamp: N/A
Luminaire Lumens: 5922.2 lumens
Efficiency: N/A
Efficacy: 108.9 lumens/watt
Spacing Criteria (0/90/45): 1.08 / 1.16 / 1.23
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 54.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	109	109	109	109	101	101	101	101	87	87	87	75	75	75	63	63	63	57
1	100	96	92	89	93	89	86	83	78	75	73	67	65	63	56	55	54	49
2	91	84	78	73	85	79	74	69	69	65	61	59	56	54	50	48	47	42
3	84	75	68	62	78	70	64	59	61	56	52	53	49	46	45	42	40	36
4	77	66	59	53	72	62	56	50	55	49	45	47	43	40	41	38	35	32
5	71	60	52	46	66	56	49	44	49	44	39	43	39	35	37	34	31	28
6	66	54	46	40	61	51	43	38	45	39	35	39	34	31	34	30	28	25
7	61	49	41	35	57	46	39	34	41	35	31	36	31	28	31	27	25	22
8	57	44	37	32	53	42	35	30	37	32	28	33	28	25	29	25	22	20
9	53	41	33	28	49	38	32	27	34	29	25	30	26	23	27	23	20	18
10	49	37	30	26	46	35	29	25	32	26	23	28	24	21	25	21	19	17

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	24857	24857	24857	24857
5°	27869	25020	22172	25020
10°	31936	24815	19189	24815
15°	35328	24359	16951	24359
20°	34790	23871	15454	23871
25°	31370	23222	14503	23222
30°	25922	22184	13811	22184
35°	18892	21098	13318	21098
40°	15091	19816	13044	19816
45°	13186	18333	12673	18333
50°	12396	16900	12424	16900
55°	11426	15440	12090	15440
60°	10469	13892	11580	13892
65°	9540	12500	11075	12500
70°	8658	11146	10334	11146
75°	7679	9632	9158	9632
80°	6602	7978	7373	7978
85°	5910	5910	4372	5910



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	146.6	2.5
10°-20°	426.3	7.2
20°-30°	618.6	10.4
30°-40°	652.8	11.0
40°-50°	578.0	9.8
50°-60°	461.3	7.8
60°-70°	313.5	5.3
70°-80°	160.7	2.7
80°-90°	42.0	0.7
90°-100°	144.9	2.4
100°-110°	491.8	8.3
110°-120°	522.5	8.8
120°-130°	430.1	7.3
130°-140°	345.4	5.8
140°-150°	261.0	4.4
150°-160°	183.4	3.1
160°-170°	108.0	1.8
170°-180°	35.1	0.6
0°-30°	1191.5	20.1
0°-40°	1844.3	31.1
0°-60°	2883.6	48.7
0°-90°	3399.9	57.4
90°-120°	1159.2	19.6
90°-150°	2195.7	37.1
90°-180°	2522.0	42.6
0°-180°	5922.2	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1540	1540	1540	1540	1540	
5°	1720	1544	1368	1544	1720	172
15°	2114	1457	1014	1457	2114	583
25°	1761	1304	814	1304	1761	796
35°	958	1070	676	1070	958	623
45°	578	803	555	803	578	454
55°	406	548	430	548	406	364
65°	250	327	290	327	250	248
75°	123	154	147	154	123	132
85°	32	32	24	32	32	36
90°	23	1	23	1	23	14
95°	80	24	80	24	80	103
105°	786	85	786	85	786	760
115°	1034	150	1034	150	1034	1012
125°	839	209	839	209	839	758
135°	695	245	695	245	695	540
145°	555	280	555	280	555	352
155°	466	318	466	318	466	218
165°	409	347	409	347	409	117
175°	369	362	369	362	369	36
180°	362	362	362	362	362	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1539.5	1539.5	1539.5	1539.5	1539.5	1539.5	1539.5	1539.5	1539.5	1539.5	1539.5
2.5°	1610.6	1611.1	1612.0	1604.5	1603.5	1603.5	1596.9	1591.2	1584.6	1575.6	1576.5
5°	1719.5	1726.0	1728.3	1721.3	1710.6	1709.4	1699.3	1682.7	1667.4	1654.9	1646.1
7.5°	1849.4	1852.0	1846.2	1836.8	1828.9	1814.7	1796.0	1777.7	1752.0	1728.5	1710.9
10°	1947.9	1951.4	1941.3	1927.7	1916.5	1899.9	1872.7	1844.9	1811.2	1778.6	1752.6
12.5°	2022.7	2031.4	2018.5	2016.7	1997.4	1974.7	1942.3	1928.2	1880.8	1835.4	1807.5
15°	2113.5	2112.9	2114.2	2102.8	2088.7	2085.1	2050.8	2013.6	1946.7	1920.0	1873.9
17.5°	2087.2	2096.2	2100.4	2100.2	2099.9	2097.7	2086.7	2063.2	2029.6	1986.5	1933.1
20°	2024.8	2036.6	2038.4	2052.0	2059.7	2069.7	2073.9	2067.3	2046.7	2010.5	1964.4
22.5°	1928.2	1931.5	1937.1	1958.3	1975.0	2000.2	2013.3	2035.2	2027.2	2009.6	1971.0
25°	1760.9	1755.0	1775.7	1786.3	1824.8	1865.0	1894.0	1925.9	1954.4	1971.5	1960.2
27.5°	1560.0	1551.0	1582.1	1610.3	1641.6	1685.2	1730.4	1783.7	1828.1	1883.6	1902.6
30°	1390.4	1395.8	1425.4	1455.5	1502.9	1564.4	1615.3	1673.9	1737.2	1799.3	1842.5
32.5°	1207.7	1228.2	1247.0	1293.2	1334.9	1403.5	1478.0	1551.3	1630.2	1700.8	1767.7
35°	958.5	982.2	1008.3	1042.0	1100.5	1168.6	1241.4	1340.2	1447.9	1544.4	1623.6
37.5°	806.8	803.1	818.0	842.3	889.7	944.7	1028.5	1126.1	1252.9	1366.2	1478.0
40°	716.0	713.5	724.2	746.7	782.8	823.0	896.4	982.2	1099.9	1238.4	1371.5
42.5°	653.4	654.9	660.8	676.6	701.4	734.5	789.4	862.5	970.3	1100.6	1243.8
45°	577.5	581.7	588.2	595.8	610.0	637.2	668.0	720.1	805.3	914.2	1055.0
47.5°	522.8	522.9	529.6	536.3	544.7	560.1	585.1	617.9	678.0	766.6	887.7
50°	493.5	489.4	494.1	499.4	508.3	518.9	535.5	566.2	606.5	678.1	779.3
52.5°	457.5	457.6	461.9	463.9	471.8	482.5	497.6	518.9	555.4	611.4	694.6
55°	405.9	408.8	411.3	414.7	421.9	429.5	441.4	455.6	484.0	526.0	587.5
57.5°	357.4	358.3	360.7	367.5	371.9	379.1	390.3	403.1	421.6	452.7	499.0
60°	324.2	324.2	329.0	331.9	337.9	344.9	353.8	366.2	382.8	408.2	445.6
62.5°	294.0	293.5	295.3	300.2	304.7	311.4	320.2	330.7	346.3	369.0	399.7
65°	249.7	248.5	252.1	253.2	258.0	264.5	271.6	282.9	295.2	311.8	339.0
67.5°	207.1	208.5	210.4	212.7	215.3	222.1	226.9	234.8	245.3	259.0	277.5
70°	183.4	183.4	183.4	185.2	188.8	192.3	197.1	203.6	213.6	225.4	242.0
72.5°	156.9	158.8	160.7	159.6	164.2	166.3	171.9	175.6	185.2	192.8	207.4
75°	123.1	123.1	123.1	126.0	127.8	129.6	133.1	136.7	141.4	150.9	158.5
77.5°	91.8	91.6	92.2	92.9	94.8	96.9	98.0	101.2	105.6	109.9	116.5
80°	71.0	72.2	72.8	73.9	73.9	75.2	75.7	79.9	82.8	85.8	90.0
82.5°	54.9	55.1	55.3	55.5	56.0	56.7	58.2	59.6	60.5	63.0	66.3
85°	31.9	31.4	31.4	32.5	31.9	31.9	33.2	34.3	34.3	34.9	36.6
87.5°	16.9	16.9	17.4	16.9	16.9	17.2	16.9	16.8	17.4	18.0	18.4
90°	23.0	23.0	23.0	23.0	23.0	22.3	21.0	22.3	23.0	23.7	23.0
92.5°	38.6	39.8	39.1	41.4	42.0	46.3	52.2	60.8	76.5	90.6	89.3
95°	79.5	78.7	80.9	86.4	95.5	110.8	140.1	182.6	239.1	273.2	241.9
97.5°	156.4	162.3	172.5	189.6	222.9	273.2	348.7	426.1	489.4	466.5	351.3
100°	249.5	262.1	282.3	312.3	370.1	454.5	550.0	636.4	651.0	550.6	379.2
102.5°	439.2	456.1	481.3	532.5	595.4	684.7	754.7	774.2	711.2	553.5	368.6
105°	785.6	795.3	825.3	868.5	911.8	934.8	925.7	846.9	702.0	516.5	347.9
107.5°	1003.4	1016.5	1022.4	1024.8	1019.4	985.6	913.1	794.5	640.7	476.9	337.5
110°	1069.3	1070.0	1063.7	1050.4	1020.5	963.3	874.1	749.3	602.3	458.0	335.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	1068.2	1064.4	1052.6	1030.4	988.7	923.2	827.8	708.1	575.5	445.7	335.8
115°	1033.8	1027.4	1009.3	977.2	927.7	856.0	764.6	657.3	542.3	432.2	338.8
117.5°	972.2	967.0	947.9	914.0	863.5	796.2	713.4	619.1	521.4	425.6	343.8
120°	932.6	925.7	905.4	872.7	823.9	760.5	686.6	600.1	510.2	421.7	347.1
122.5°	891.4	885.6	867.5	835.4	791.6	734.2	664.3	585.1	500.8	419.5	351.1
125°	838.6	832.9	815.6	789.1	748.6	696.3	635.0	563.2	487.2	415.4	356.9
127.5°	792.3	787.8	772.8	748.0	712.7	664.4	606.5	541.6	474.7	413.0	362.9
130°	766.1	760.5	746.5	722.8	688.7	642.7	587.6	527.6	466.4	412.0	367.4
132.5°	738.7	733.7	720.9	697.2	663.6	620.4	569.8	514.2	459.7	411.4	371.8
135°	695.0	692.1	679.7	656.7	626.6	587.6	541.6	495.6	450.3	410.5	377.1
137.5°	652.0	647.8	636.9	617.1	589.7	555.7	519.2	480.7	443.7	410.5	381.8
140°	622.5	618.3	607.8	589.7	567.4	536.7	504.7	471.2	439.9	409.8	384.1
142.5°	592.9	592.1	582.7	566.3	545.1	519.4	491.9	463.4	436.0	409.8	385.8
145°	554.8	552.8	545.8	534.0	517.2	497.0	475.4	452.4	430.8	408.5	387.5
147.5°	522.9	521.7	516.9	507.5	493.7	478.8	462.0	443.9	425.5	406.0	388.2
150°	504.0	503.3	499.1	490.7	480.3	467.7	453.1	437.7	421.0	404.3	387.5
152.5°	487.8	487.7	484.6	477.3	469.1	458.3	445.9	431.6	417.1	401.5	386.5
155°	466.4	467.7	464.9	460.0	452.4	444.7	434.3	423.1	409.8	396.6	384.8
157.5°	448.1	448.1	446.8	442.7	437.3	431.3	422.6	413.2	403.1	391.6	381.6
160°	436.3	436.3	435.7	432.2	427.3	422.4	414.7	407.1	398.1	388.3	379.9
162.5°	425.2	425.8	425.1	422.7	417.9	414.0	407.5	400.9	393.5	385.5	378.3
165°	409.2	409.8	409.8	407.1	404.3	401.5	396.6	391.7	386.2	379.9	375.1
167.5°	394.4	395.2	395.4	393.9	392.6	390.0	386.7	383.0	378.9	375.1	371.8
170°	385.5	386.8	387.5	385.5	384.8	383.3	380.6	378.5	375.1	372.2	370.1
172.5°	378.3	379.1	379.8	378.8	378.1	377.3	375.1	373.4	371.1	368.9	367.9
175°	368.7	370.1	370.9	370.1	370.1	369.4	368.7	368.0	366.0	365.2	364.5
177.5°	363.0	364.2	364.7	364.7	364.7	364.7	364.2	364.2	363.0	362.5	363.0
180°	362.5	362.5	362.5	362.5	362.5	362.5	362.5	362.5	362.5	362.5	362.5



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1539.5	1539.5	1539.5	1539.5	1539.5	1539.5	1539.5	1539.5	1539.5	1539.5	1539.5
2.5°	1579.8	1576.0	1573.7	1565.1	1557.6	1550.0	1547.7	1548.5	1538.2	1528.2	1523.9
5°	1641.4	1629.5	1618.3	1602.3	1583.4	1562.6	1552.0	1543.7	1523.0	1500.6	1487.6
7.5°	1696.5	1679.5	1658.0	1627.9	1600.3	1567.7	1547.0	1528.7	1498.4	1466.7	1447.2
10°	1730.1	1707.0	1679.2	1642.5	1608.8	1569.1	1541.3	1513.6	1478.0	1440.2	1416.5
12.5°	1759.0	1727.9	1700.5	1653.4	1613.6	1564.0	1531.0	1491.7	1454.4	1409.4	1386.3
15°	1827.7	1770.3	1718.2	1665.0	1615.9	1546.7	1510.0	1457.3	1408.2	1352.6	1326.0
17.5°	1880.9	1816.4	1734.4	1666.7	1609.4	1532.8	1478.9	1415.8	1357.7	1294.1	1257.9
20°	1911.2	1837.2	1749.0	1668.6	1599.9	1512.3	1453.8	1389.3	1321.2	1249.6	1210.6
22.5°	1929.1	1851.4	1764.2	1661.4	1581.0	1495.8	1422.1	1351.4	1282.5	1205.1	1164.2
25°	1934.8	1863.9	1771.6	1655.6	1557.4	1460.9	1372.2	1303.5	1220.0	1147.9	1088.2
27.5°	1906.7	1855.7	1767.0	1644.4	1530.0	1417.2	1318.3	1240.5	1152.5	1074.2	1014.1
30°	1872.1	1842.5	1756.1	1633.1	1508.2	1387.0	1278.1	1189.9	1102.3	1023.1	961.5
32.5°	1818.6	1812.2	1736.3	1616.9	1485.1	1348.6	1235.9	1146.8	1049.8	971.9	913.2
35°	1713.5	1742.0	1694.0	1581.0	1441.4	1294.1	1172.2	1070.4	969.8	895.2	840.2
37.5°	1572.7	1643.2	1630.7	1528.3	1382.4	1234.7	1100.1	993.7	897.9	822.6	768.6
40°	1475.7	1565.6	1578.6	1488.1	1340.8	1188.7	1046.2	940.2	846.7	778.1	723.6
42.5°	1371.5	1476.6	1512.3	1439.8	1295.3	1140.4	997.8	888.1	795.6	728.9	680.6
45°	1197.0	1336.1	1400.5	1359.1	1219.5	1060.9	914.2	802.9	718.9	656.2	618.9
47.5°	1033.8	1185.7	1272.5	1257.8	1135.1	978.0	832.9	726.2	644.4	594.4	561.1
50°	918.3	1074.5	1179.2	1184.0	1074.5	918.9	773.4	672.8	597.6	550.9	523.6
52.5°	818.0	967.1	1081.3	1106.3	1006.8	857.4	719.9	619.7	553.6	510.6	486.2
55°	687.0	813.0	939.6	985.8	905.9	763.8	636.7	548.5	486.3	456.8	435.5
57.5°	571.1	676.2	793.1	844.1	794.9	673.3	554.0	477.5	427.0	401.2	384.9
60°	510.1	592.9	697.1	758.0	715.3	607.1	502.9	430.2	388.8	365.7	350.3
62.5°	453.3	526.6	614.7	670.4	647.2	545.1	451.8	387.5	351.8	330.2	319.1
65°	374.0	431.9	500.0	551.4	536.1	458.5	382.3	327.2	298.8	281.6	272.8
67.5°	307.9	349.8	397.0	442.1	429.7	374.8	313.4	270.6	249.5	234.7	229.3
70°	266.3	298.2	340.2	376.3	366.2	321.3	272.8	236.1	217.8	205.4	200.0
72.5°	226.5	252.8	284.8	314.3	307.6	270.2	229.7	202.0	187.9	176.5	172.1
75°	171.0	191.1	210.6	230.2	228.4	199.4	175.8	154.4	143.2	134.3	132.5
77.5°	126.3	137.5	150.8	162.4	159.2	142.6	124.0	111.8	103.5	97.6	96.7
80°	96.5	103.0	112.4	120.7	116.5	109.5	94.7	85.8	79.9	73.9	71.6
82.5°	69.9	76.4	82.1	86.6	83.5	76.8	67.7	61.6	58.1	54.0	53.1
85°	36.6	40.2	42.6	43.8	42.6	38.4	34.3	31.9	29.0	27.2	26.7
87.5°	17.9	17.0	16.3	16.9	15.2	14.8	12.4	10.5	10.5	10.6	9.9
90°	18.8	13.9	10.4	8.4	7.0	5.6	2.8	0.7	2.8	5.6	7.0
92.5°	69.6	47.4	31.7	25.1	20.3	17.3	12.3	8.5	12.3	17.3	20.3
95°	161.0	100.4	68.3	51.5	40.4	34.2	27.2	24.4	27.2	34.2	40.4
97.5°	217.0	132.4	92.1	73.2	60.4	50.9	43.5	39.8	43.5	50.9	60.4
100°	228.6	143.6	106.6	87.1	73.2	62.1	55.7	53.7	55.7	62.1	73.2
102.5°	229.2	153.6	119.5	100.0	85.4	74.3	68.0	66.5	68.0	74.3	85.4
105°	232.8	170.8	138.0	118.5	103.2	92.7	87.8	85.1	87.8	92.7	103.2
107.5°	242.5	188.3	156.6	136.9	121.7	112.1	107.4	105.1	107.4	112.1	121.7
110°	250.2	200.0	169.4	149.2	134.6	125.5	121.3	118.5	121.3	125.5	134.6



TEST NUMBER: P331395-940

CATALOG NUMBER: SA2XXDIP-C865D725U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	258.6	211.2	181.6	160.9	146.8	138.3	133.6	130.7	133.6	138.3	146.8
115°	271.2	228.6	198.7	179.9	165.9	157.6	153.4	149.9	153.4	157.6	165.9
117.5°	284.5	244.7	217.0	197.4	184.0	176.6	172.5	169.7	172.5	176.6	184.0
120°	293.5	255.8	228.6	209.1	195.2	188.9	184.8	181.9	184.8	188.9	195.2
122.5°	301.3	266.4	240.9	220.8	206.9	200.0	195.9	193.7	195.9	200.0	206.9
125°	313.7	282.3	257.2	237.7	223.7	215.3	211.2	209.1	211.2	215.3	223.7
127.5°	325.2	297.1	272.7	252.6	239.2	230.1	224.2	221.4	224.2	230.1	239.2
130°	332.5	306.0	281.6	262.1	248.2	238.4	231.4	228.6	231.4	238.4	248.2
132.5°	339.7	313.8	290.5	271.0	256.5	246.2	238.7	235.3	238.7	246.2	256.5
135°	349.2	324.9	302.6	283.0	267.0	256.5	248.2	245.4	248.2	256.5	267.0
137.5°	356.5	333.8	311.7	293.6	277.7	266.5	258.2	254.9	258.2	266.5	277.7
140°	360.3	338.8	317.9	299.7	284.4	273.2	264.8	262.1	264.8	273.2	284.4
142.5°	363.7	342.7	322.4	305.3	290.5	279.4	271.6	269.3	271.6	279.4	290.5
145°	368.0	348.6	329.7	314.3	300.4	290.0	283.0	280.2	283.0	290.0	300.4
147.5°	370.4	353.3	335.6	321.9	310.3	300.7	294.0	291.9	294.0	300.7	310.3
150°	371.5	355.5	339.5	326.9	316.5	307.4	301.8	299.7	301.8	307.4	316.5
152.5°	372.1	357.8	343.4	331.9	322.0	314.1	308.5	307.6	308.5	314.1	322.0
155°	372.9	361.1	349.2	338.8	331.1	323.4	319.2	318.5	319.2	323.4	331.1
157.5°	372.9	363.5	353.4	344.6	338.5	331.8	328.4	327.8	328.4	331.8	338.5
160°	372.9	364.5	356.1	348.6	343.0	337.3	334.6	333.9	334.6	337.3	343.0
162.5°	372.4	365.2	357.8	351.9	346.9	342.4	339.6	340.0	339.6	342.4	346.9
165°	370.9	366.0	359.7	355.5	352.0	347.9	346.4	347.1	346.4	347.9	352.0
167.5°	369.9	365.8	361.2	358.6	356.1	353.4	352.1	353.0	352.1	353.4	356.1
170°	368.7	365.2	361.8	359.7	358.3	356.1	355.5	356.9	355.5	356.1	358.3
172.5°	367.0	364.7	362.3	360.8	360.0	357.8	358.3	359.1	358.3	357.8	360.0
175°	365.2	363.8	362.5	361.8	361.8	360.3	361.1	361.8	361.1	360.3	361.8
177.5°	364.2	363.0	362.5	362.5	362.5	361.3	361.9	363.0	361.9	361.3	362.5
180°	362.5	362.5	362.5	362.5	362.5	362.5	362.5	362.5	362.5	362.5	362.5



TEST NUMBER: P331395-940

CATALOG NUMBER: SA2XXDIP-C865D725U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1539.5	1539.5	1539.5	1539.5	1539.5	1539.5	1539.5	1539.5	1539.5	1539.5	1539.5
2.5°	1519.2	1516.4	1506.5	1501.3	1492.7	1484.7	1479.4	1481.8	1483.7	1482.7	1481.4
5°	1475.7	1464.5	1447.2	1432.4	1421.8	1402.3	1394.0	1389.9	1386.3	1382.2	1378.0
7.5°	1423.9	1406.1	1381.4	1360.4	1340.5	1316.3	1302.4	1294.1	1285.7	1276.3	1268.0
10°	1387.0	1362.1	1336.1	1306.4	1282.8	1260.9	1241.4	1228.3	1216.6	1205.2	1197.0
12.5°	1348.1	1319.5	1287.3	1246.8	1220.8	1189.5	1186.4	1163.5	1145.0	1138.1	1128.4
15°	1286.4	1246.1	1205.2	1157.4	1136.7	1108.2	1090.5	1072.7	1056.8	1045.5	1042.6
17.5°	1216.2	1164.1	1123.5	1089.0	1055.1	1026.0	1009.7	995.5	982.3	967.3	965.3
20°	1162.7	1117.7	1073.4	1043.1	1008.3	978.7	958.5	944.3	933.1	924.3	916.5
22.5°	1112.1	1062.8	1022.2	989.2	954.8	930.9	915.0	901.3	891.9	882.1	874.9
25°	1030.7	992.3	947.9	910.6	882.2	866.8	853.8	842.0	836.1	829.6	821.3
27.5°	959.6	916.9	875.4	846.5	821.5	807.9	798.7	790.6	785.1	781.2	776.5
30°	909.5	866.2	833.7	805.3	784.6	771.0	765.1	760.4	753.9	751.4	749.1
32.5°	861.1	822.2	794.4	769.8	750.0	741.2	735.8	731.5	726.4	724.0	719.3
35°	792.9	760.4	733.1	719.5	703.6	695.8	691.7	685.8	681.0	678.7	678.1
37.5°	728.6	700.3	682.4	664.9	658.2	653.4	647.8	643.7	642.3	641.9	641.4
40°	687.0	663.9	647.9	633.7	630.7	623.7	618.9	615.4	615.4	616.0	615.4
42.5°	649.1	628.4	614.3	602.0	598.5	594.3	589.6	589.3	590.3	592.3	590.3
45°	591.7	576.9	566.9	560.9	554.4	550.3	549.7	551.4	552.1	552.7	554.4
47.5°	539.0	529.1	520.0	513.4	510.6	509.9	509.2	512.3	515.1	516.2	518.9
50°	507.7	496.4	488.7	484.6	482.2	481.1	482.2	485.8	488.1	491.1	492.8
52.5°	472.6	464.7	459.4	456.2	455.2	455.9	456.2	460.2	464.0	465.0	465.9
55°	424.3	418.3	417.1	411.8	414.2	413.6	416.5	418.9	422.5	426.1	426.6
57.5°	375.9	371.2	368.0	368.5	369.3	371.8	374.3	378.4	382.3	386.0	386.4
60°	343.8	341.4	339.7	339.7	340.8	344.4	347.3	351.4	353.8	356.2	357.9
62.5°	314.4	312.1	310.3	311.2	314.3	316.5	319.9	322.1	324.5	326.8	327.7
65°	268.0	266.9	268.7	269.8	270.4	273.4	277.5	279.3	281.6	282.9	287.0
67.5°	225.3	225.5	225.3	226.9	230.4	231.1	235.1	239.2	239.6	241.9	244.6
70°	196.4	197.6	198.9	200.0	203.0	204.1	207.1	208.8	211.2	213.0	214.8
72.5°	170.0	170.1	171.4	171.1	173.6	176.2	178.7	180.5	182.8	185.1	186.8
75°	130.7	130.7	132.0	132.5	135.5	138.5	137.9	139.0	141.4	143.7	145.0
77.5°	95.5	94.2	95.5	96.1	97.0	99.5	100.0	101.7	104.3	103.5	104.9
80°	72.8	71.0	72.8	73.4	73.4	76.3	76.3	77.5	79.3	77.5	79.3
82.5°	52.0	51.1	52.4	52.5	53.5	53.6	54.6	54.8	56.5	55.7	56.5
85°	26.0	25.4	26.0	25.4	26.0	26.7	26.7	26.0	26.0	27.2	25.4
87.5°	9.7	9.6	9.9	10.9	11.2	10.9	10.3	10.2	9.9	9.2	9.4
90°	8.4	10.4	13.9	18.8	23.0	23.7	23.0	22.3	21.0	22.3	23.0
92.5°	25.1	31.7	47.4	69.6	89.3	90.6	76.5	60.8	52.2	46.3	42.0
95°	51.5	68.3	100.4	161.0	241.9	273.2	239.1	182.6	140.1	110.8	95.5
97.5°	73.2	92.1	132.4	217.0	351.3	466.5	489.4	426.1	348.7	273.2	222.9
100°	87.1	106.6	143.6	228.6	379.2	550.6	651.0	636.4	550.0	454.5	370.1
102.5°	100.0	119.5	153.6	229.2	368.6	553.5	711.2	774.2	754.7	684.7	595.4
105°	118.5	138.0	170.8	232.8	347.9	516.5	702.0	846.9	925.7	934.8	911.8
107.5°	136.9	156.6	188.3	242.5	337.5	476.9	640.7	794.5	913.1	985.6	1019.4
110°	149.2	169.4	200.0	250.2	335.3	458.0	602.3	749.3	874.1	963.3	1020.5



TEST NUMBER: P331395-940

CATALOG NUMBER: SA2XXDIP-C865D725U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	160.9	181.6	211.2	258.6	335.8	445.7	575.5	708.1	827.8	923.2	988.7
115°	179.9	198.7	228.6	271.2	338.8	432.2	542.3	657.3	764.6	856.0	927.7
117.5°	197.4	217.0	244.7	284.5	343.8	425.6	521.4	619.1	713.4	796.2	863.5
120°	209.1	228.6	255.8	293.5	347.1	421.7	510.2	600.1	686.6	760.5	823.9
122.5°	220.8	240.9	266.4	301.3	351.1	419.5	500.8	585.1	664.3	734.2	791.6
125°	237.7	257.2	282.3	313.7	356.9	415.4	487.2	563.2	635.0	696.3	748.6
127.5°	252.6	272.7	297.1	325.2	362.9	413.0	474.7	541.6	606.5	664.4	712.7
130°	262.1	281.6	306.0	332.5	367.4	412.0	466.4	527.6	587.6	642.7	688.7
132.5°	271.0	290.5	313.8	339.7	371.8	411.4	459.7	514.2	569.8	620.4	663.6
135°	283.0	302.6	324.9	349.2	377.1	410.5	450.3	495.6	541.6	587.6	626.6
137.5°	293.6	311.7	333.8	356.5	381.8	410.5	443.7	480.7	519.2	555.7	589.7
140°	299.7	317.9	338.8	360.3	384.1	409.8	439.9	471.2	504.7	536.7	567.4
142.5°	305.3	322.4	342.7	363.7	385.8	409.8	436.0	463.4	491.9	519.4	545.1
145°	314.3	329.7	348.6	368.0	387.5	408.5	430.8	452.4	475.4	497.0	517.2
147.5°	321.9	335.6	353.3	370.4	388.2	406.0	425.5	443.9	462.0	478.8	493.7
150°	326.9	339.5	355.5	371.5	387.5	404.3	421.0	437.7	453.1	467.7	480.3
152.5°	331.9	343.4	357.8	372.1	386.5	401.5	417.1	431.6	445.9	458.3	469.1
155°	338.8	349.2	361.1	372.9	384.8	396.6	409.8	423.1	434.3	444.7	452.4
157.5°	344.6	353.4	363.5	372.9	381.6	391.6	403.1	413.2	422.6	431.3	437.3
160°	348.6	356.1	364.5	372.9	379.9	388.3	398.1	407.1	414.7	422.4	427.3
162.5°	351.9	357.8	365.2	372.4	378.3	385.5	393.5	400.9	407.5	414.0	417.9
165°	355.5	359.7	366.0	370.9	375.1	379.9	386.2	391.7	396.6	401.5	404.3
167.5°	358.6	361.2	365.8	369.9	371.8	375.1	378.9	383.0	386.7	390.0	392.6
170°	359.7	361.8	365.2	368.7	370.1	372.2	375.1	378.5	380.6	383.3	384.8
172.5°	360.8	362.3	364.7	367.0	367.9	368.9	371.1	373.4	375.1	377.3	378.1
175°	361.8	362.5	363.8	365.2	364.5	365.2	366.0	368.0	368.7	369.4	370.1
177.5°	362.5	362.5	363.0	364.2	363.0	362.5	363.0	364.2	364.2	364.7	364.7
180°	362.5	362.5	362.5	362.5	362.5	362.5	362.5	362.5	362.5	362.5	362.5



TEST NUMBER: P331395-940

CATALOG NUMBER: SA2XXDIP-C865D725U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1539.5	1539.5	1539.5	1539.5	1539.5	1539.5	1539.5	1539.5	1539.5	1539.5	1539.5
2.5°	1476.6	1475.7	1475.7	1471.4	1475.7	1475.7	1476.6	1481.4	1482.7	1483.7	1481.8
5°	1369.8	1368.0	1365.0	1368.0	1365.0	1368.0	1369.8	1378.0	1382.2	1386.3	1389.9
7.5°	1264.1	1257.0	1255.9	1248.9	1255.9	1257.0	1264.1	1268.0	1276.3	1285.7	1294.1
10°	1187.0	1182.2	1181.6	1170.4	1181.6	1182.2	1187.0	1197.0	1205.2	1216.6	1228.3
12.5°	1128.3	1116.9	1119.1	1112.6	1119.1	1116.9	1128.3	1128.4	1138.1	1145.0	1163.5
15°	1026.6	1026.6	1024.2	1014.1	1024.2	1026.6	1026.6	1042.6	1045.5	1056.8	1072.7
17.5°	953.6	952.3	946.7	949.6	946.7	952.3	953.6	965.3	967.3	982.3	995.5
20°	910.0	906.5	899.4	899.4	899.4	906.5	910.0	916.5	924.3	933.1	944.3
22.5°	868.9	868.6	861.0	863.4	861.0	868.6	868.9	874.9	882.1	891.9	901.3
25°	820.6	815.9	812.4	814.1	812.4	815.9	820.6	821.3	829.6	836.1	842.0
27.5°	775.0	772.4	772.1	767.3	772.1	772.4	775.0	776.5	781.2	785.1	790.6
30°	748.5	742.6	743.8	740.8	743.8	742.6	748.5	749.1	751.4	753.9	760.4
32.5°	718.2	716.0	714.9	712.4	714.9	716.0	718.2	719.3	724.0	726.4	731.5
35°	676.9	677.5	674.5	675.7	674.5	677.5	676.9	678.1	678.7	681.0	685.8
37.5°	640.8	642.7	641.3	641.7	641.3	642.7	640.8	641.4	641.9	642.3	643.7
40°	617.2	617.2	617.2	618.9	617.2	617.2	617.2	615.4	616.0	615.4	615.4
42.5°	594.4	593.4	592.5	592.4	592.5	593.4	594.4	590.3	592.3	590.3	589.3
45°	555.6	557.4	557.9	555.0	557.9	557.4	555.6	554.4	552.7	552.1	551.4
47.5°	520.5	520.7	520.5	523.1	520.5	520.7	520.5	518.9	516.2	515.1	512.3
50°	495.9	494.6	495.9	494.6	495.9	494.6	495.9	492.8	491.1	488.1	485.8
52.5°	469.8	470.0	469.3	469.1	469.3	470.0	469.8	465.9	465.0	464.0	460.2
55°	429.0	430.2	429.5	429.5	429.5	430.2	429.0	426.6	426.1	422.5	418.9
57.5°	386.7	387.8	388.6	386.0	388.6	387.8	386.7	386.4	386.0	382.3	378.4
60°	357.4	360.3	359.7	358.6	359.7	360.3	357.4	357.9	356.2	353.8	351.4
62.5°	330.4	331.4	331.4	331.1	331.4	331.4	330.4	327.7	326.8	324.5	322.1
65°	288.7	289.9	288.1	289.9	288.1	289.9	288.7	287.0	282.9	281.6	279.3
67.5°	243.9	244.2	245.6	246.4	245.6	244.2	243.9	244.6	241.9	239.6	239.2
70°	216.0	215.3	217.1	218.9	217.1	215.3	216.0	214.8	213.0	211.2	208.8
72.5°	186.6	187.9	187.3	188.6	187.3	187.9	186.6	186.8	185.1	182.8	180.5
75°	143.7	145.5	145.0	146.8	145.0	145.5	143.7	145.0	143.7	141.4	139.0
77.5°	103.9	104.2	103.9	104.9	103.9	104.2	103.9	104.9	103.5	104.3	101.7
80°	79.3	78.1	77.0	79.3	77.0	78.1	79.3	79.3	77.5	79.3	77.5
82.5°	55.1	55.8	54.7	54.7	54.7	55.8	55.1	56.5	55.7	56.5	54.8
85°	25.4	24.9	23.6	23.6	23.6	24.9	25.4	25.4	27.2	26.0	26.0
87.5°	9.4	8.8	8.8	8.4	8.8	8.8	9.4	9.4	9.2	9.9	10.2
90°	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	22.3	21.0	22.3
92.5°	41.4	39.1	39.8	38.6	39.8	39.1	41.4	42.0	46.3	52.2	60.8
95°	86.4	80.9	78.7	79.5	78.7	80.9	86.4	95.5	110.8	140.1	182.6
97.5°	189.6	172.5	162.3	156.4	162.3	172.5	189.6	222.9	273.2	348.7	426.1
100°	312.3	282.3	262.1	249.5	262.1	282.3	312.3	370.1	454.5	550.0	636.4
102.5°	532.5	481.3	456.1	439.2	456.1	481.3	532.5	595.4	684.7	754.7	774.2
105°	868.5	825.3	795.3	785.6	795.3	825.3	868.5	911.8	934.8	925.7	846.9
107.5°	1024.8	1022.4	1016.5	1003.4	1016.5	1022.4	1024.8	1019.4	985.6	913.1	794.5
110°	1050.4	1063.7	1070.0	1069.3	1070.0	1063.7	1050.4	1020.5	963.3	874.1	749.3



TEST NUMBER: P331395-940

CATALOG NUMBER: SA2XXDIP-C865D725U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	1030.4	1052.6	1064.4	1068.2	1064.4	1052.6	1030.4	988.7	923.2	827.8	708.1
115°	977.2	1009.3	1027.4	1033.8	1027.4	1009.3	977.2	927.7	856.0	764.6	657.3
117.5°	914.0	947.9	967.0	972.2	967.0	947.9	914.0	863.5	796.2	713.4	619.1
120°	872.7	905.4	925.7	932.6	925.7	905.4	872.7	823.9	760.5	686.6	600.1
122.5°	835.4	867.5	885.6	891.4	885.6	867.5	835.4	791.6	734.2	664.3	585.1
125°	789.1	815.6	832.9	838.6	832.9	815.6	789.1	748.6	696.3	635.0	563.2
127.5°	748.0	772.8	787.8	792.3	787.8	772.8	748.0	712.7	664.4	606.5	541.6
130°	722.8	746.5	760.5	766.1	760.5	746.5	722.8	688.7	642.7	587.6	527.6
132.5°	697.2	720.9	733.7	738.7	733.7	720.9	697.2	663.6	620.4	569.8	514.2
135°	656.7	679.7	692.1	695.0	692.1	679.7	656.7	626.6	587.6	541.6	495.6
137.5°	617.1	636.9	647.8	652.0	647.8	636.9	617.1	589.7	555.7	519.2	480.7
140°	589.7	607.8	618.3	622.5	618.3	607.8	589.7	567.4	536.7	504.7	471.2
142.5°	566.3	582.7	592.1	592.9	592.1	582.7	566.3	545.1	519.4	491.9	463.4
145°	534.0	545.8	552.8	554.8	552.8	545.8	534.0	517.2	497.0	475.4	452.4
147.5°	507.5	516.9	521.7	522.9	521.7	516.9	507.5	493.7	478.8	462.0	443.9
150°	490.7	499.1	503.3	504.0	503.3	499.1	490.7	480.3	467.7	453.1	437.7
152.5°	477.3	484.6	487.7	487.8	487.7	484.6	477.3	469.1	458.3	445.9	431.6
155°	460.0	464.9	467.7	466.4	467.7	464.9	460.0	452.4	444.7	434.3	423.1
157.5°	442.7	446.8	448.1	448.1	448.1	446.8	442.7	437.3	431.3	422.6	413.2
160°	432.2	435.7	436.3	436.3	436.3	435.7	432.2	427.3	422.4	414.7	407.1
162.5°	422.7	425.1	425.8	425.2	425.8	425.1	422.7	417.9	414.0	407.5	400.9
165°	407.1	409.8	409.8	409.2	409.8	409.8	407.1	404.3	401.5	396.6	391.7
167.5°	393.9	395.4	395.2	394.4	395.2	395.4	393.9	392.6	390.0	386.7	383.0
170°	385.5	387.5	386.8	385.5	386.8	387.5	385.5	384.8	383.3	380.6	378.5
172.5°	378.8	379.8	379.1	378.3	379.1	379.8	378.8	378.1	377.3	375.1	373.4
175°	370.1	370.9	370.1	368.7	370.1	370.9	370.1	370.1	369.4	368.7	368.0
177.5°	364.7	364.7	364.2	363.0	364.2	364.7	364.7	364.7	364.7	364.2	364.2
180°	362.5	362.5	362.5	362.5	362.5	362.5	362.5	362.5	362.5	362.5	362.5



TEST NUMBER: P331395-940

CATALOG NUMBER: SA2XXDIP-C865D725U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1539.5	1539.5	1539.5	1539.5	1539.5	1539.5	1539.5	1539.5	1539.5	1539.5	1539.5
2.5°	1479.4	1484.7	1492.7	1501.3	1506.5	1516.4	1519.2	1523.9	1528.2	1538.2	1548.5
5°	1394.0	1402.3	1421.8	1432.4	1447.2	1464.5	1475.7	1487.6	1500.6	1523.0	1543.7
7.5°	1302.4	1316.3	1340.5	1360.4	1381.4	1406.1	1423.9	1447.2	1466.7	1498.4	1528.7
10°	1241.4	1260.9	1282.8	1306.4	1336.1	1362.1	1387.0	1416.5	1440.2	1478.0	1513.6
12.5°	1186.4	1189.5	1220.8	1246.8	1287.3	1319.5	1348.1	1386.3	1409.4	1454.4	1491.7
15°	1090.5	1108.2	1136.7	1157.4	1205.2	1246.1	1286.4	1326.0	1352.6	1408.2	1457.3
17.5°	1009.7	1026.0	1055.1	1089.0	1123.5	1164.1	1216.2	1257.9	1294.1	1357.7	1415.8
20°	958.5	978.7	1008.3	1043.1	1073.4	1117.7	1162.7	1210.6	1249.6	1321.2	1389.3
22.5°	915.0	930.9	954.8	989.2	1022.2	1062.8	1112.1	1164.2	1205.1	1282.5	1351.4
25°	853.8	866.8	882.2	910.6	947.9	992.3	1030.7	1088.2	1147.9	1220.0	1303.5
27.5°	798.7	807.9	821.5	846.5	875.4	916.9	959.6	1014.1	1074.2	1152.5	1240.5
30°	765.1	771.0	784.6	805.3	833.7	866.2	909.5	961.5	1023.1	1102.3	1189.9
32.5°	735.8	741.2	750.0	769.8	794.4	822.2	861.1	913.2	971.9	1049.8	1146.8
35°	691.7	695.8	703.6	719.5	733.1	760.4	792.9	840.2	895.2	969.8	1070.4
37.5°	647.8	653.4	658.2	664.9	682.4	700.3	728.6	768.6	822.6	897.9	993.7
40°	618.9	623.7	630.7	633.7	647.9	663.9	687.0	723.6	778.1	846.7	940.2
42.5°	589.6	594.3	598.5	602.0	614.3	628.4	649.1	680.6	728.9	795.6	888.1
45°	549.7	550.3	554.4	560.9	566.9	576.9	591.7	618.9	656.2	718.9	802.9
47.5°	509.2	509.9	510.6	513.4	520.0	529.1	539.0	561.1	594.4	644.4	726.2
50°	482.2	481.1	482.2	484.6	488.7	496.4	507.7	523.6	550.9	597.6	672.8
52.5°	456.2	455.9	455.2	456.2	459.4	464.7	472.6	486.2	510.6	553.6	619.7
55°	416.5	413.6	414.2	411.8	417.1	418.3	424.3	435.5	456.8	486.3	548.5
57.5°	374.3	371.8	369.3	368.5	368.0	371.2	375.9	384.9	401.2	427.0	477.5
60°	347.3	344.4	340.8	339.7	339.7	341.4	343.8	350.3	365.7	388.8	430.2
62.5°	319.9	316.5	314.3	311.2	310.3	312.1	314.4	319.1	330.2	351.8	387.5
65°	277.5	273.4	270.4	269.8	268.7	266.9	268.0	272.8	281.6	298.8	327.2
67.5°	235.1	231.1	230.4	226.9	225.3	225.5	225.3	229.3	234.7	249.5	270.6
70°	207.1	204.1	203.0	200.0	198.9	197.6	196.4	200.0	205.4	217.8	236.1
72.5°	178.7	176.2	173.6	171.1	171.4	170.1	170.0	172.1	176.5	187.9	202.0
75°	137.9	138.5	135.5	132.5	132.0	130.7	130.7	132.5	134.3	143.2	154.4
77.5°	100.0	99.5	97.0	96.1	95.5	94.2	95.5	96.7	97.6	103.5	111.8
80°	76.3	76.3	73.4	73.4	72.8	71.0	72.8	71.6	73.9	79.9	85.8
82.5°	54.6	53.6	53.5	52.5	52.4	51.1	52.0	53.1	54.0	58.1	61.6
85°	26.7	26.7	26.0	25.4	26.0	25.4	26.0	26.7	27.2	29.0	31.9
87.5°	10.3	10.9	11.2	10.9	9.9	9.6	9.7	9.9	10.6	10.5	10.5
90°	23.0	23.7	23.0	18.8	13.9	10.4	8.4	7.0	5.6	2.8	0.7
92.5°	76.5	90.6	89.3	69.6	47.4	31.7	25.1	20.3	17.3	12.3	8.5
95°	239.1	273.2	241.9	161.0	100.4	68.3	51.5	40.4	34.2	27.2	24.4
97.5°	489.4	466.5	351.3	217.0	132.4	92.1	73.2	60.4	50.9	43.5	39.8
100°	651.0	550.6	379.2	228.6	143.6	106.6	87.1	73.2	62.1	55.7	53.7
102.5°	711.2	553.5	368.6	229.2	153.6	119.5	100.0	85.4	74.3	68.0	66.5
105°	702.0	516.5	347.9	232.8	170.8	138.0	118.5	103.2	92.7	87.8	85.1
107.5°	640.7	476.9	337.5	242.5	188.3	156.6	136.9	121.7	112.1	107.4	105.1
110°	602.3	458.0	335.3	250.2	200.0	169.4	149.2	134.6	125.5	121.3	118.5



TEST NUMBER: P331395-940

CATALOG NUMBER: SA2XXDIP-C865D725U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	575.5	445.7	335.8	258.6	211.2	181.6	160.9	146.8	138.3	133.6	130.7
115°	542.3	432.2	338.8	271.2	228.6	198.7	179.9	165.9	157.6	153.4	149.9
117.5°	521.4	425.6	343.8	284.5	244.7	217.0	197.4	184.0	176.6	172.5	169.7
120°	510.2	421.7	347.1	293.5	255.8	228.6	209.1	195.2	188.9	184.8	181.9
122.5°	500.8	419.5	351.1	301.3	266.4	240.9	220.8	206.9	200.0	195.9	193.7
125°	487.2	415.4	356.9	313.7	282.3	257.2	237.7	223.7	215.3	211.2	209.1
127.5°	474.7	413.0	362.9	325.2	297.1	272.7	252.6	239.2	230.1	224.2	221.4
130°	466.4	412.0	367.4	332.5	306.0	281.6	262.1	248.2	238.4	231.4	228.6
132.5°	459.7	411.4	371.8	339.7	313.8	290.5	271.0	256.5	246.2	238.7	235.3
135°	450.3	410.5	377.1	349.2	324.9	302.6	283.0	267.0	256.5	248.2	245.4
137.5°	443.7	410.5	381.8	356.5	333.8	311.7	293.6	277.7	266.5	258.2	254.9
140°	439.9	409.8	384.1	360.3	338.8	317.9	299.7	284.4	273.2	264.8	262.1
142.5°	436.0	409.8	385.8	363.7	342.7	322.4	305.3	290.5	279.4	271.6	269.3
145°	430.8	408.5	387.5	368.0	348.6	329.7	314.3	300.4	290.0	283.0	280.2
147.5°	425.5	406.0	388.2	370.4	353.3	335.6	321.9	310.3	300.7	294.0	291.9
150°	421.0	404.3	387.5	371.5	355.5	339.5	326.9	316.5	307.4	301.8	299.7
152.5°	417.1	401.5	386.5	372.1	357.8	343.4	331.9	322.0	314.1	308.5	307.6
155°	409.8	396.6	384.8	372.9	361.1	349.2	338.8	331.1	323.4	319.2	318.5
157.5°	403.1	391.6	381.6	372.9	363.5	353.4	344.6	338.5	331.8	328.4	327.8
160°	398.1	388.3	379.9	372.9	364.5	356.1	348.6	343.0	337.3	334.6	333.9
162.5°	393.5	385.5	378.3	372.4	365.2	357.8	351.9	346.9	342.4	339.6	340.0
165°	386.2	379.9	375.1	370.9	366.0	359.7	355.5	352.0	347.9	346.4	347.1
167.5°	378.9	375.1	371.8	369.9	365.8	361.2	358.6	356.1	353.4	352.1	353.0
170°	375.1	372.2	370.1	368.7	365.2	361.8	359.7	358.3	356.1	355.5	356.9
172.5°	371.1	368.9	367.9	367.0	364.7	362.3	360.8	360.0	357.8	358.3	359.1
175°	366.0	365.2	364.5	365.2	363.8	362.5	361.8	361.8	360.3	361.1	361.8
177.5°	363.0	362.5	363.0	364.2	363.0	362.5	362.5	362.5	361.3	361.9	363.0
180°	362.5	362.5	362.5	362.5	362.5	362.5	362.5	362.5	362.5	362.5	362.5



TEST NUMBER: P331395-940

CATALOG NUMBER: SA2XXDIP-C865D725U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1539.5	1539.5	1539.5	1539.5	1539.5	1539.5	1539.5	1539.5	1539.5	1539.5	1539.5
2.5°	1547.7	1550.0	1557.6	1565.1	1573.7	1576.0	1579.8	1576.5	1575.6	1584.6	1591.2
5°	1552.0	1562.6	1583.4	1602.3	1618.3	1629.5	1641.4	1646.1	1654.9	1667.4	1682.7
7.5°	1547.0	1567.7	1600.3	1627.9	1658.0	1679.5	1696.5	1710.9	1728.5	1752.0	1777.7
10°	1541.3	1569.1	1608.8	1642.5	1679.2	1707.0	1730.1	1752.6	1778.6	1811.2	1844.9
12.5°	1531.0	1564.0	1613.6	1653.4	1700.5	1727.9	1759.0	1807.5	1835.4	1880.8	1928.2
15°	1510.0	1546.7	1615.9	1665.0	1718.2	1770.3	1827.7	1873.9	1920.0	1946.7	2013.6
17.5°	1478.9	1532.8	1609.4	1666.7	1734.4	1816.4	1880.9	1933.1	1986.5	2029.6	2063.2
20°	1453.8	1512.3	1599.9	1668.6	1749.0	1837.2	1911.2	1964.4	2010.5	2046.7	2067.3
22.5°	1422.1	1495.8	1581.0	1661.4	1764.2	1851.4	1929.1	1971.0	2009.6	2027.2	2035.2
25°	1372.2	1460.9	1557.4	1655.6	1771.6	1863.9	1934.8	1960.2	1971.5	1954.4	1925.9
27.5°	1318.3	1417.2	1530.0	1644.4	1767.0	1855.7	1906.7	1902.6	1883.6	1828.1	1783.7
30°	1278.1	1387.0	1508.2	1633.1	1756.1	1842.5	1872.1	1842.5	1799.3	1737.2	1673.9
32.5°	1235.9	1348.6	1485.1	1616.9	1736.3	1812.2	1818.6	1767.7	1700.8	1630.2	1551.3
35°	1172.2	1294.1	1441.4	1581.0	1694.0	1742.0	1713.5	1623.6	1544.4	1447.9	1340.2
37.5°	1100.1	1234.7	1382.4	1528.3	1630.7	1643.2	1572.7	1478.0	1366.2	1252.9	1126.1
40°	1046.2	1188.7	1340.8	1488.1	1578.6	1565.6	1475.7	1371.5	1238.4	1099.9	982.2
42.5°	997.8	1140.4	1295.3	1439.8	1512.3	1476.6	1371.5	1243.8	1100.6	970.3	862.5
45°	914.2	1060.9	1219.5	1359.1	1400.5	1336.1	1197.0	1055.0	914.2	805.3	720.1
47.5°	832.9	978.0	1135.1	1257.8	1272.5	1185.7	1033.8	887.7	766.6	678.0	617.9
50°	773.4	918.9	1074.5	1184.0	1179.2	1074.5	918.3	779.3	678.1	606.5	566.2
52.5°	719.9	857.4	1006.8	1106.3	1081.3	967.1	818.0	694.6	611.4	555.4	518.9
55°	636.7	763.8	905.9	985.8	939.6	813.0	687.0	587.5	526.0	484.0	455.6
57.5°	554.0	673.3	794.9	844.1	793.1	676.2	571.1	499.0	452.7	421.6	403.1
60°	502.9	607.1	715.3	758.0	697.1	592.9	510.1	445.6	408.2	382.8	366.2
62.5°	451.8	545.1	647.2	670.4	614.7	526.6	453.3	399.7	369.0	346.3	330.7
65°	382.3	458.5	536.1	551.4	500.0	431.9	374.0	339.0	311.8	295.2	282.9
67.5°	313.4	374.8	429.7	442.1	397.0	349.8	307.9	277.5	259.0	245.3	234.8
70°	272.8	321.3	366.2	376.3	340.2	298.2	266.3	242.0	225.4	213.6	203.6
72.5°	229.7	270.2	307.6	314.3	284.8	252.8	226.5	207.4	192.8	185.2	175.6
75°	175.8	199.4	228.4	230.2	210.6	191.1	171.0	158.5	150.9	141.4	136.7
77.5°	124.0	142.6	159.2	162.4	150.8	137.5	126.3	116.5	109.9	105.6	101.2
80°	94.7	109.5	116.5	120.7	112.4	103.0	96.5	90.0	85.8	82.8	79.9
82.5°	67.7	76.8	83.5	86.6	82.1	76.4	69.9	66.3	63.0	60.5	59.6
85°	34.3	38.4	42.6	43.8	42.6	40.2	36.6	36.6	34.9	34.3	34.3
87.5°	12.4	14.8	15.2	16.9	16.3	17.0	17.9	18.4	18.0	17.4	16.8
90°	2.8	5.6	7.0	8.4	10.4	13.9	18.8	23.0	23.7	23.0	22.3
92.5°	12.3	17.3	20.3	25.1	31.7	47.4	69.6	89.3	90.6	76.5	60.8
95°	27.2	34.2	40.4	51.5	68.3	100.4	161.0	241.9	273.2	239.1	182.6
97.5°	43.5	50.9	60.4	73.2	92.1	132.4	217.0	351.3	466.5	489.4	426.1
100°	55.7	62.1	73.2	87.1	106.6	143.6	228.6	379.2	550.6	651.0	636.4
102.5°	68.0	74.3	85.4	100.0	119.5	153.6	229.2	368.6	553.5	711.2	774.2
105°	87.8	92.7	103.2	118.5	138.0	170.8	232.8	347.9	516.5	702.0	846.9
107.5°	107.4	112.1	121.7	136.9	156.6	188.3	242.5	337.5	476.9	640.7	794.5
110°	121.3	125.5	134.6	149.2	169.4	200.0	250.2	335.3	458.0	602.3	749.3



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	133.6	138.3	146.8	160.9	181.6	211.2	258.6	335.8	445.7	575.5	708.1
115°	153.4	157.6	165.9	179.9	198.7	228.6	271.2	338.8	432.2	542.3	657.3
117.5°	172.5	176.6	184.0	197.4	217.0	244.7	284.5	343.8	425.6	521.4	619.1
120°	184.8	188.9	195.2	209.1	228.6	255.8	293.5	347.1	421.7	510.2	600.1
122.5°	195.9	200.0	206.9	220.8	240.9	266.4	301.3	351.1	419.5	500.8	585.1
125°	211.2	215.3	223.7	237.7	257.2	282.3	313.7	356.9	415.4	487.2	563.2
127.5°	224.2	230.1	239.2	252.6	272.7	297.1	325.2	362.9	413.0	474.7	541.6
130°	231.4	238.4	248.2	262.1	281.6	306.0	332.5	367.4	412.0	466.4	527.6
132.5°	238.7	246.2	256.5	271.0	290.5	313.8	339.7	371.8	411.4	459.7	514.2
135°	248.2	256.5	267.0	283.0	302.6	324.9	349.2	377.1	410.5	450.3	495.6
137.5°	258.2	266.5	277.7	293.6	311.7	333.8	356.5	381.8	410.5	443.7	480.7
140°	264.8	273.2	284.4	299.7	317.9	338.8	360.3	384.1	409.8	439.9	471.2
142.5°	271.6	279.4	290.5	305.3	322.4	342.7	363.7	385.8	409.8	436.0	463.4
145°	283.0	290.0	300.4	314.3	329.7	348.6	368.0	387.5	408.5	430.8	452.4
147.5°	294.0	300.7	310.3	321.9	335.6	353.3	370.4	388.2	406.0	425.5	443.9
150°	301.8	307.4	316.5	326.9	339.5	355.5	371.5	387.5	404.3	421.0	437.7
152.5°	308.5	314.1	322.0	331.9	343.4	357.8	372.1	386.5	401.5	417.1	431.6
155°	319.2	323.4	331.1	338.8	349.2	361.1	372.9	384.8	396.6	409.8	423.1
157.5°	328.4	331.8	338.5	344.6	353.4	363.5	372.9	381.6	391.6	403.1	413.2
160°	334.6	337.3	343.0	348.6	356.1	364.5	372.9	379.9	388.3	398.1	407.1
162.5°	339.6	342.4	346.9	351.9	357.8	365.2	372.4	378.3	385.5	393.5	400.9
165°	346.4	347.9	352.0	355.5	359.7	366.0	370.9	375.1	379.9	386.2	391.7
167.5°	352.1	353.4	356.1	358.6	361.2	365.8	369.9	371.8	375.1	378.9	383.0
170°	355.5	356.1	358.3	359.7	361.8	365.2	368.7	370.1	372.2	375.1	378.5
172.5°	358.3	357.8	360.0	360.8	362.3	364.7	367.0	367.9	368.9	371.1	373.4
175°	361.1	360.3	361.8	361.8	362.5	363.8	365.2	364.5	365.2	366.0	368.0
177.5°	361.9	361.3	362.5	362.5	362.5	363.0	364.2	363.0	362.5	363.0	364.2
180°	362.5	362.5	362.5	362.5	362.5	362.5	362.5	362.5	362.5	362.5	362.5



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1539.5	1539.5	1539.5	1539.5	1539.5	1539.5	1539.5
2.5°	1596.9	1603.5	1603.5	1604.5	1612.0	1611.1	1610.6
5°	1699.3	1709.4	1710.6	1721.3	1728.3	1726.0	1719.5
7.5°	1796.0	1814.7	1828.9	1836.8	1846.2	1852.0	1849.4
10°	1872.7	1899.9	1916.5	1927.7	1941.3	1951.4	1947.9
12.5°	1942.3	1974.7	1997.4	2016.7	2018.5	2031.4	2022.7
15°	2050.8	2085.1	2088.7	2102.8	2114.2	2112.9	2113.5
17.5°	2086.7	2097.7	2099.9	2100.2	2100.4	2096.2	2087.2
20°	2073.9	2069.7	2059.7	2052.0	2038.4	2036.6	2024.8
22.5°	2013.3	2000.2	1975.0	1958.3	1937.1	1931.5	1928.2
25°	1894.0	1865.0	1824.8	1786.3	1775.7	1755.0	1760.9
27.5°	1730.4	1685.2	1641.6	1610.3	1582.1	1551.0	1560.0
30°	1615.3	1564.4	1502.9	1455.5	1425.4	1395.8	1390.4
32.5°	1478.0	1403.5	1334.9	1293.2	1247.0	1228.2	1207.7
35°	1241.4	1168.6	1100.5	1042.0	1008.3	982.2	958.5
37.5°	1028.5	944.7	889.7	842.3	818.0	803.1	806.8
40°	896.4	823.0	782.8	746.7	724.2	713.5	716.0
42.5°	789.4	734.5	701.4	676.6	660.8	654.9	653.4
45°	668.0	637.2	610.0	595.8	588.2	581.7	577.5
47.5°	585.1	560.1	544.7	536.3	529.6	522.9	522.8
50°	535.5	518.9	508.3	499.4	494.1	489.4	493.5
52.5°	497.6	482.5	471.8	463.9	461.9	457.6	457.5
55°	441.4	429.5	421.9	414.7	411.3	408.8	405.9
57.5°	390.3	379.1	371.9	367.5	360.7	358.3	357.4
60°	353.8	344.9	337.9	331.9	329.0	324.2	324.2
62.5°	320.2	311.4	304.7	300.2	295.3	293.5	294.0
65°	271.6	264.5	258.0	253.2	252.1	248.5	249.7
67.5°	226.9	222.1	215.3	212.7	210.4	208.5	207.1
70°	197.1	192.3	188.8	185.2	183.4	183.4	183.4
72.5°	171.9	166.3	164.2	159.6	160.7	158.8	156.9
75°	133.1	129.6	127.8	126.0	123.1	123.1	123.1
77.5°	98.0	96.9	94.8	92.9	92.2	91.6	91.8
80°	75.7	75.2	73.9	73.9	72.8	72.2	71.0
82.5°	58.2	56.7	56.0	55.5	55.3	55.1	54.9
85°	33.2	31.9	31.9	32.5	31.4	31.4	31.9
87.5°	16.9	17.2	16.9	16.9	17.4	16.9	16.9
90°	21.0	22.3	23.0	23.0	23.0	23.0	23.0
92.5°	52.2	46.3	42.0	41.4	39.1	39.8	38.6
95°	140.1	110.8	95.5	86.4	80.9	78.7	79.5
97.5°	348.7	273.2	222.9	189.6	172.5	162.3	156.4
100°	550.0	454.5	370.1	312.3	282.3	262.1	249.5
102.5°	754.7	684.7	595.4	532.5	481.3	456.1	439.2
105°	925.7	934.8	911.8	868.5	825.3	795.3	785.6
107.5°	913.1	985.6	1019.4	1024.8	1022.4	1016.5	1003.4
110°	874.1	963.3	1020.5	1050.4	1063.7	1070.0	1069.3



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	827.8	923.2	988.7	1030.4	1052.6	1064.4	1068.2
115°	764.6	856.0	927.7	977.2	1009.3	1027.4	1033.8
117.5°	713.4	796.2	863.5	914.0	947.9	967.0	972.2
120°	686.6	760.5	823.9	872.7	905.4	925.7	932.6
122.5°	664.3	734.2	791.6	835.4	867.5	885.6	891.4
125°	635.0	696.3	748.6	789.1	815.6	832.9	838.6
127.5°	606.5	664.4	712.7	748.0	772.8	787.8	792.3
130°	587.6	642.7	688.7	722.8	746.5	760.5	766.1
132.5°	569.8	620.4	663.6	697.2	720.9	733.7	738.7
135°	541.6	587.6	626.6	656.7	679.7	692.1	695.0
137.5°	519.2	555.7	589.7	617.1	636.9	647.8	652.0
140°	504.7	536.7	567.4	589.7	607.8	618.3	622.5
142.5°	491.9	519.4	545.1	566.3	582.7	592.1	592.9
145°	475.4	497.0	517.2	534.0	545.8	552.8	554.8
147.5°	462.0	478.8	493.7	507.5	516.9	521.7	522.9
150°	453.1	467.7	480.3	490.7	499.1	503.3	504.0
152.5°	445.9	458.3	469.1	477.3	484.6	487.7	487.8
155°	434.3	444.7	452.4	460.0	464.9	467.7	466.4
157.5°	422.6	431.3	437.3	442.7	446.8	448.1	448.1
160°	414.7	422.4	427.3	432.2	435.7	436.3	436.3
162.5°	407.5	414.0	417.9	422.7	425.1	425.8	425.2
165°	396.6	401.5	404.3	407.1	409.8	409.8	409.2
167.5°	386.7	390.0	392.6	393.9	395.4	395.2	394.4
170°	380.6	383.3	384.8	385.5	387.5	386.8	385.5
172.5°	375.1	377.3	378.1	378.8	379.8	379.1	378.3
175°	368.7	369.4	370.1	370.1	370.9	370.1	368.7
177.5°	364.2	364.7	364.7	364.7	364.7	364.2	363.0
180°	362.5	362.5	362.5	362.5	362.5	362.5	362.5

(END OF REPORT)